

WHAT IS CLAIMED IS:

- 1                   1.     A system for transferring scanned imaging data from a  
2 scanning device to a personal imaging repository, comprising:  
3                   a scanning device capable of obtaining information from items  
4 for scanning imaging data;  
5                   a personal imaging repository associated with a particular user for  
6 storing imaging data that is to be accessed by requested web services;  
7                   an item for storing user information relating to said personal  
8 imaging repository; and,  
9                   a device firmware for storing scanned imaging data from the  
10 scanning device into said personal imaging repository;  
11                  wherein said personal imaging repository is an exchange  
12 infrastructure between the imaging data and available web services on the  
13 Internet.
- 1                   2.     The system as defined in claim 1 wherein said personal  
2 imaging repository stores the imaging data in a plurality of file formats.
- 1                   3.     The system as defined in claim 1 wherein said personal  
2 imaging repository comprises an imaging data store assigned to the user for  
3 storing imaging data.
- 1                   4.     The system as defined in claim 1 wherein said personal  
2 imaging repository comprises a plurality of imaging data stores for storing  
3 imaging data.
- 1                   5.     The system as defined in claim 4 wherein one of said  
2 plurality of imaging data store is assigned to the user for storing imaging data.

1           6.     The system as defined in claim 4 wherein one of said  
2 plurality of imaging data store is assigned to a web service for storing imaging  
3 data provided by the web service.

1           7.     The system as defined in claim 1 wherein said personal  
2 imaging repository comprises a composition store for storing imaging  
3 compositions of the imaging data that are serviced as a single unit.

1           8.     The system as defined in claim 7 wherein said imaging  
2 composition comprises a link reference for each imaging data that is serviced  
3 as a single unit.

1           9.     The system as defined in claim 1 wherein said personal  
2 imaging repository is located on another data storage device that is linked to  
3 said imaging client.

1           10.    The system as defined in claim 1 wherein said item is a  
2 smart card.

3           11.    A system for transferring scanned imaging data from a  
4 scanning device to a personal imaging repository, comprising:

5                a personal imaging repository associated with a particular user for  
6 storing imaging data that is to be accessed by requested web services;

7                a scanning device with user information relating to said personal  
8 imaging repository for scanning imaging data; and,

9                a device firmware for storing scanned imaging data from the  
10 scanning device into said personal imaging repository;

11               wherein said personal imaging repository is an exchange  
12 infrastructure between the imaging data and available web services on the  
13 Internet.

14           12.    A method for transferring scanned imaging data from a  
15 scanning device to a personal imaging repository having an imaging data store

16 for storing the imaging data and a composition store for storing imaging  
17 compositions having links to the imaging data serviced as a single unit, said  
18 method comprising:

19           receiving the scanned imaging data;  
20           obtaining user information relating to the personal imaging  
21 repository;  
22           connecting with the imaging data store of the personal imaging  
23 repository indicated from the user information; and,  
24           transferring the scanned imaging data to the imaging data store.

1           13. The method according to claim 12 further comprising the  
2 steps of:

3           obtaining a link reference of the scanned imaging data stored in  
4 the personal imaging data store; and,  
5           disconnecting from the imaging data store by the scanning  
6 device.

7           14. The method according to claim 12 wherein said step of  
8 connecting with the imaging data store further comprising the steps of:

9           determining whether the connection with the imaging data store  
10 is successful;

11           returning an error message to the user when the connection is not  
12 successful; and,

13           converting the scanned imaging data into a predefined format.

1           15. The method according to claim 14 wherein said predefined  
2 format is any one from the group consisting of:

3           Joint Photographic Experts Group Format;

4           Graphics Interchange Format;

5           Portable Network Graphics Format;

6 Tagged Image File Format;  
7 Portable Document Format; and,  
8 Microsoft Windows bitmap format.

9 16. The method according to claim 12 further comprising the  
10 steps of:

11 obtaining a link reference of the scanned imaging data stored in  
12 the personal imaging data store;

13 connecting with the composition store of the personal imaging  
14 repository indicated from the user information;

15 creating an imaging composition having a link reference to the  
16 scanned imaging data stored in the personal imaging data store; and,

17 saving the imaging composition to the composition store.

1 17. The method according to claim 16 further comprising the  
2 steps of:

3 setting the imaging composition as a selected composition  
4 available for service in the composition store; and,

5 disconnecting from the composition store of the personal imaging  
6 repository.

7 18. The method according to claim 16 wherein prior to the  
8 step of creating an imaging composition further comprising the steps of:

9 determining whether the connection with the composition store is  
10 successful; and,

11 returning an error message to the user when the connection to the  
12 composition is not successful.

1 19. The method according to claim 16 wherein said step of  
2 creating an imaging composition further comprising the step of adding the link

3 reference of the imaging data stored in the imaging data store to the imaging  
4 composition.

1 20. A computer program product comprising a computer  
2 usable medium having computer readable program codes embodied in the  
3 medium that when executed causes a computer to:

4 receive scanned imaging data;  
5 obtain user information relating to the personal imaging  
6 repository;  
7 connect with the imaging data store of the personal imaging  
8 repository indicated from the user information; and,  
9 transfer scanned imaging data to the imaging data store.

1 21. A computer program product comprising a computer  
2 usable medium having computer readable program codes embodied in the  
3 medium that when installed in a scanning device linked to a personal imaging  
4 repository with an imaging data store for storing the imaging data and a  
5 composition store for storing imaging compositions with links to the imaging  
6 data serviced as a single unit, the product causes the scanning device to:

7 receive scanned imaging data;  
8 obtain user information relating to the personal imaging  
9 repository;  
10 connect with the imaging data store of the personal imaging  
11 repository indicated from the user information; and,  
12 transfer scanned imaging data to the imaging data store.